

FORCE SENSOR FOR VEHICLE BRAKE APPLICATION

ABSTRACT OF THE DISCLOSURE

A force sensor is incorporated into a disc brake, and is operable to sense the point of force application increase during application of the disc brake. The force will increase sharply once the brake pad initially contacts the rotor. The sensor is able to determine the point of this force increase, and provide this information to a control. The control powers an electric motor for providing electric motor adjustment of the position of the piston which drives the brake pad, to compensate for wear. In a preferred embodiment, the sensor includes a protective cover with a thin anvil between the cover and the sensor. The anvil is operable to transmit the force, and limit the force applied, to protect the sensor.

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